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Applicant's Authorized Amendment to Claim 1

1. (Currently Amended): A moving picture compression encoding transceiver apparatus for sending media packet from a sender side apparatus to a receiver side apparatus, and sending and receiving a sender report packet and a receiver report packet between the sender side apparatus and the receiver side apparatus, wherein

each of the sender report packet and the receiver report packet comprises report packets of two kinds differing in size, and

the sender side apparatus comprises a transmission bit rate estimation means for estimating a transmission bit rate which is being altered step by step,

said estimation means estimating the instantaneous transmission bit rate on the basis of round-trip delay time for a sender report packet and a receiver report packet each having a small size and round-trip delay time for a sender report packet and a receiver report packet each having a large size,

wherein sizes of said report packets of two kinds are fixed values, and a time when the report packets are sent in the sender side apparatus and a delay time between receiving and sending the report packets in the receiver side apparatus are provided in the receiver report packet and a time when the report packets are received in the sender side apparatus is known in the sender side apparatus.